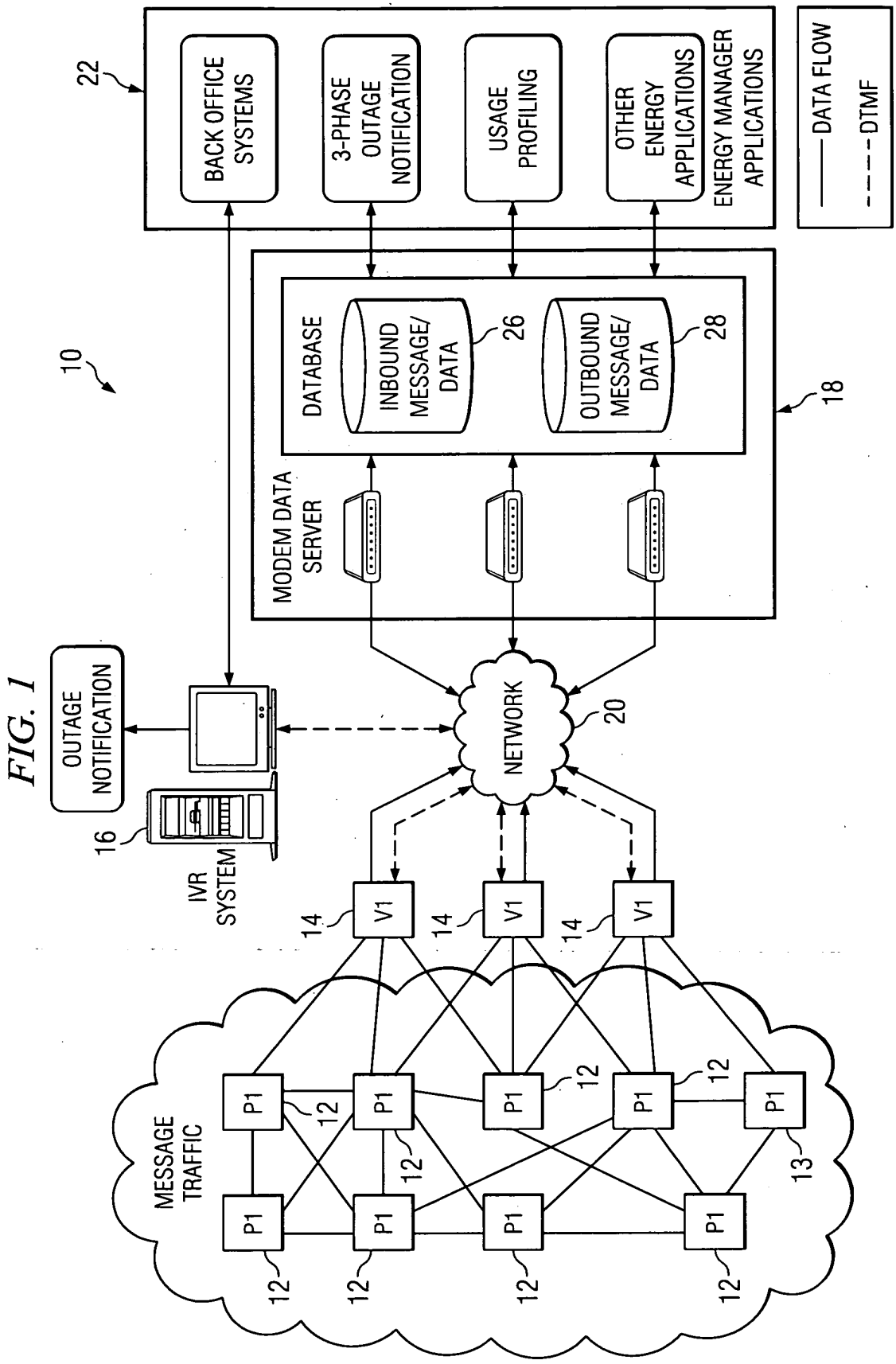

22
BACK OFFICE SYSTEMS
3-PHASE OUTAGE NOTIFICATION
USAGE PROFILING
OTHER ENERGY APPLICATIONS
ENERGY MANAGER APPLICATIONS
DATA FLOW
DTMF
10
DATABASE
INBOUND MESSAGE/ DATA
26
OUTBOUND MESSAGE/ DATA
28
18
MODEM DATA SERVER
OUTAGE NOTIFICATION
16
IVR SYSTEM
NETWORK
20
14
V1
MESSAGE TRAFFIC
P1
12
13

FIG. 1

FIG. 2

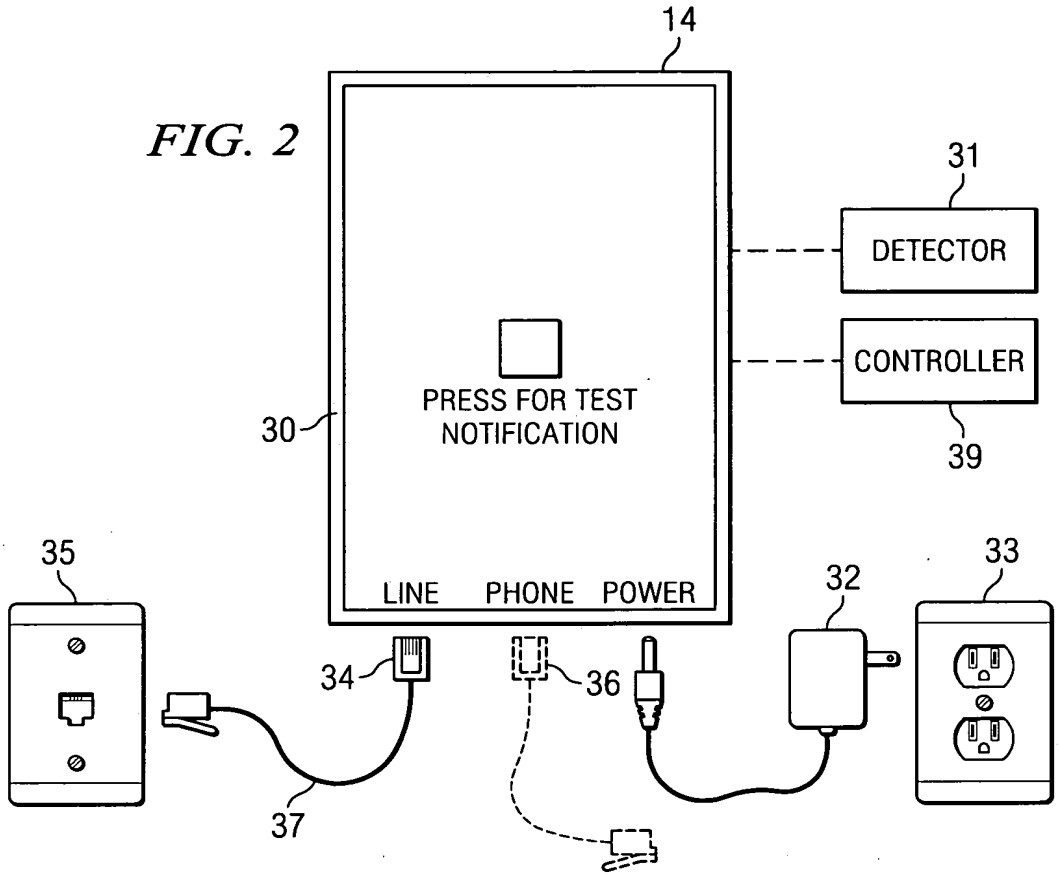
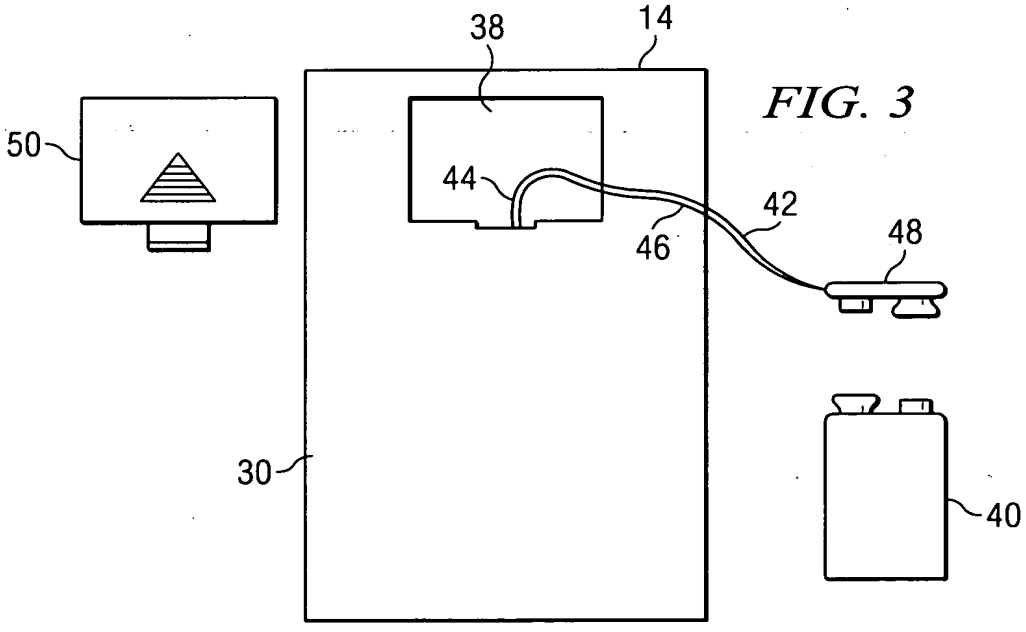

14
31
DETECTOR
CONTROLLER
39
PRESS FOR TEST
NOTIFICATION
30
LINE
PHONE
POWER
35
32
33
34
36
37

FIG. 3


38
14
50
44
42
46
48
30
40

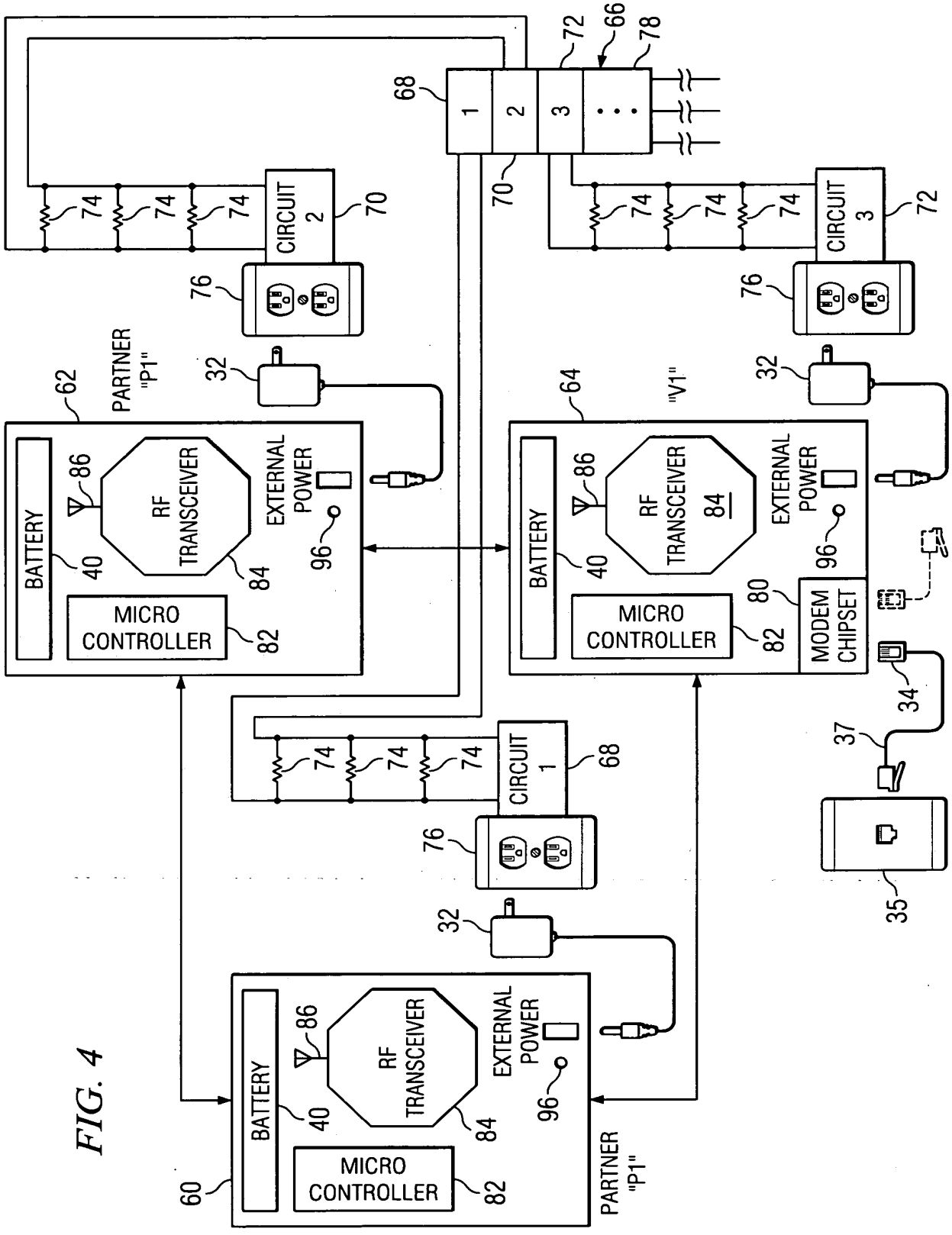
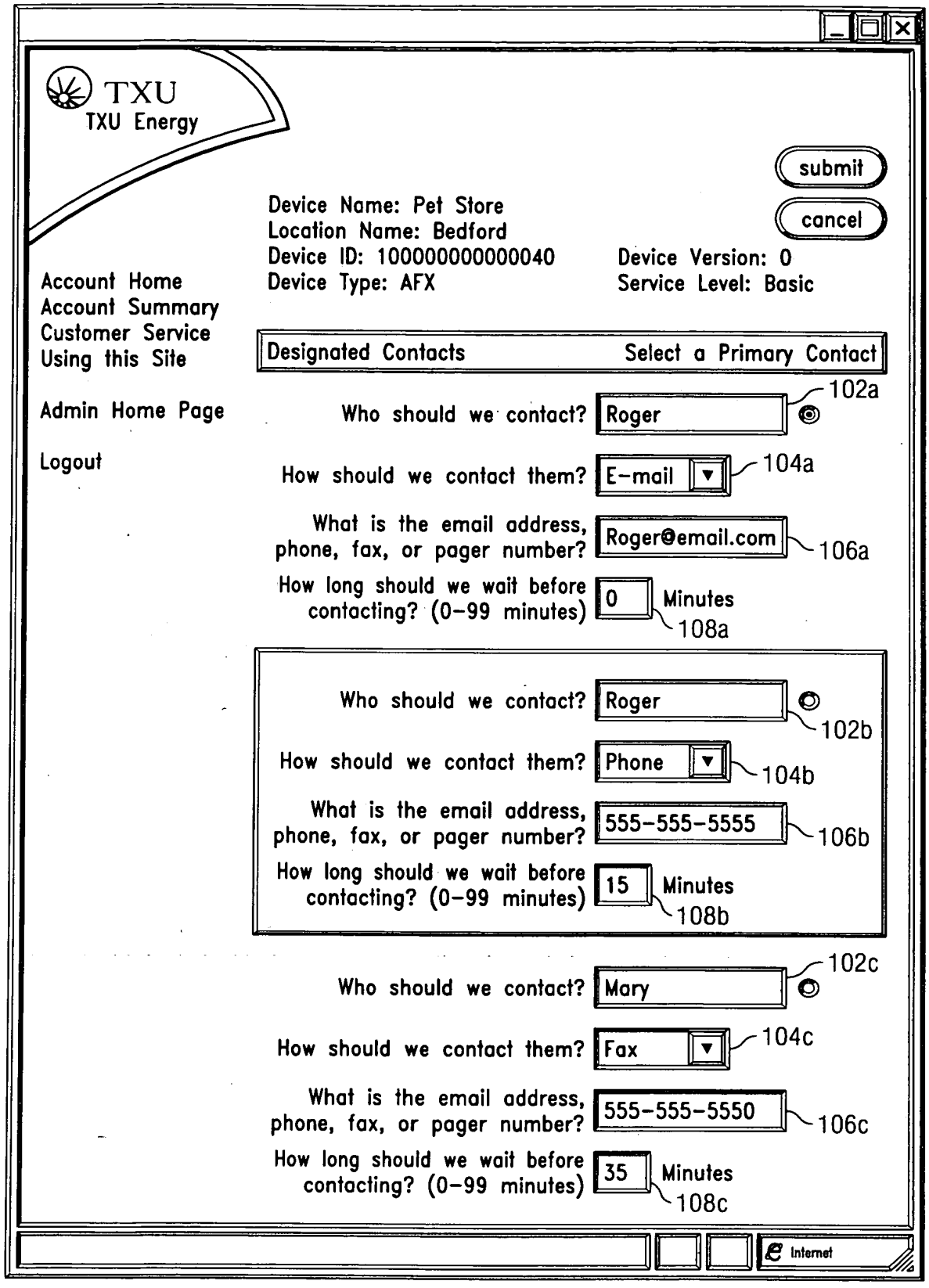

68
1
2
3
72
66
78
70
CIRCUIT 2
CIRCUIT 3
CIRCUIT 1
74
76
32
62
PARTNER "P1"
64
"V1"
BATTERY
40
RF TRANSCEIVER
84
86
EXTERNAL POWER
96
MICRO CONTROLLER
82
MODEM CHIPSET
80
34
37
35
60

FIG. 4

100 ↘ 4/5 *FIG. 5*


TXU
TXU Energy
submit
cancel
Device Name: Pet Store
Location Name: Bedford
Device ID: 100000000000040
Device Version: 0
Device Type: AFX
Service Level: Basic
Account Home
Account Summary
Customer Service
Using this Site
Admin Home Page
Logout
Designated Contacts
Select a Primary Contact
Who should we contact?
Roger
102a
How should we contact them?
E-mail
104a
What is the email address, phone, fax, or pager number?
Roger@email.com
106a
How long should we wait before contacting? (0-99 minutes)
0
Minutes
108a
Who should we contact?
Roger
102b
How should we contact them?
Phone
104b
What is the email address, phone, fax, or pager number?
555-555-5555
106b
How long should we wait before contacting? (0-99 minutes)
15
Minutes
108b
Who should we contact?
Mary
102c
How should we contact them?
Fax
104c
What is the email address, phone, fax, or pager number?
555-555-5550
106c
How long should we wait before contacting? (0-99 minutes)
35
Minutes
108c
Internet

110	112	114a	116a
V_1	P_1	CALL ELECTRIC UTILITY	CALL CUSTOMER
0	0	N	N
0	1	N	Y
1	0	N	Y
1	1	Y	Y

FIG. 6

POWER OFF=1
POWER ON=0

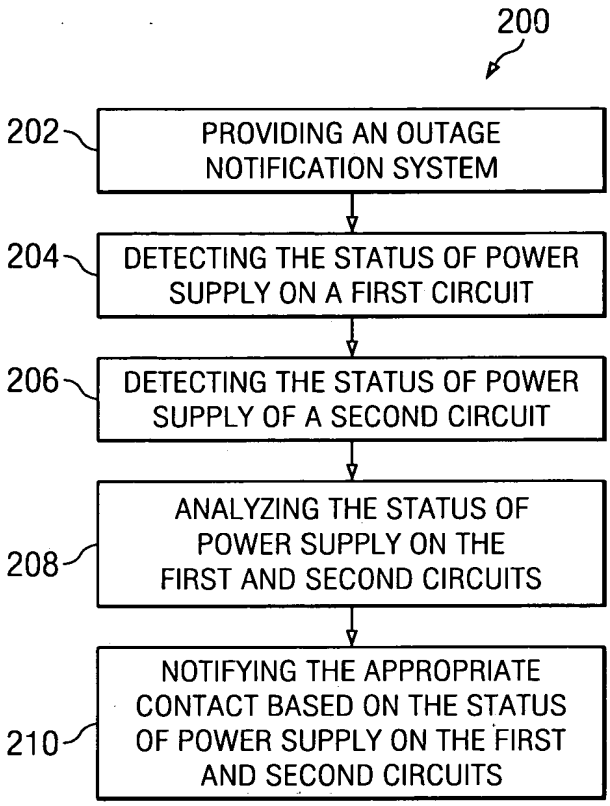


FIG. 8

110	112	118	114b	116b
V_1	P_1	P_2	CALL ELECTRIC UTILITY	CALL CUSTOMER
0	0	0	N	N
0	0	1	N	Y
0	1	0	N	Y
0	1	1	N	Y
1	0	0	N	Y
1	0	1	N	Y
1	1	0	N	Y
1	1	1	Y	Y

FIG. 7

POWER OFF=1
POWER ON=0